

Attachment 2 – Unauthorized Bypasses to Waters of the United States

City or Town	New Haven	East Haven	New Haven	New Haven	New Haven
Type of Bypass		Raw sewage	Raw sewage	Raw sewage	
Location of Bypass	Manhole	Manhole	Manhole	Manhole	
Cause of Bypass	Surcharged Sewer	Blockage	Blockage	Heavy rain	
Blockage of Sewer Line due to		Grease	Grease		
Exact Location of By-Pass	Stevenson Street	Intersection of Greene St and Foxon Rd	450 Sargent Dr	1 Union Ave	Long Wharf pump station 17 Sea St.
Date and Time bypass was discovered	3/30/2010 0:00	7/11/2010 18:45	12/19/2010 18:30	6/23/2011 14:45	10/29/2012 12:00
Date and time bypass was stopped	3/30/2010 0:00	7/11/2010 19:30	12/19/2010 19:20	6/23/2011 15:02	10/30/2012 12:00
Date and Time bypass was reported	3/31/2010 8:50	7/13/2010 9:52	12/22/2010 9:36	6/27/2011 8:55	10/29/2012 10:20
How bypass was discovered	RWA	Local police department called it in	NHPD	Resident called in - Manholes overflowing	Planned shutdown to protect pump station controls and pump during hurricane tidal surge, this will facilitate the stations return to normal status after the storm event
Quantity / Volume of Bypass	100	50	50	30,000	500
How quantity/volume was determined	Visual estimate	estimate	Field estimate by crew	Field estimate by crew - Bypass mostly rain water	Estimated by daily flow average
Date of last inspection (if equipment failure)					
Receiving waters (if applicable)	Marsh	catch basin	Long Island Sound	Long Island Sound	New Haven Harbor
Receiving waters EPA	Maltby Lake	Qinnipiac River	New Haven Harbor	New Haven Harbor	New Haven Harbor
Steps to minimize volume and duration of bypass	Heavy Rains	relieve blockage in line	Jet sanitary sewers	Wait for Rain&flows to subside	Return station to normal status after the storm event
Steps taken to prevent recurrence of bypass	Heavy Rains	PM jetting of sanitary sewer lines	PM jetting of sanitary sewers	Continue PM jetting program	Review station design
Bypass area cleaned of debris?	No	Yes	Yes	Yes	No
Method used		washed road area around manhole and cleaned catch basin	Crew washed area down and VAC out the CB	Rinse and vac road area	
Date of last blockage / backup					

City or Town	East Haven	Hamden	East Haven	New Haven	Hamden
Type of Bypass				Raw sewage	Raw sewage
Location of Bypass				Manhole	Manhole
Cause of Bypass				Blockage	Blockage
Blockage of Sewer Line due to				Rags	Grease
Exact Location of By-Pass	22 Vista Dr	96 Stanley Rd	Swamp between Kenneth St and Proto Drive	East Ramsdell at West River	45 Dunbar Hill Rd. Ext.
Date and Time bypass was discovered	12/10/2012 11:30	4/15/2013 19:15	6/8/2013 15:30	1/22/2014 13:15	1/23/2014 17:20
Date and time bypass was stopped	12/10/2012 13:15	4/15/2013 19:40	6/8/2013 19:15	1/22/2014 13:20	1/23/2014 20:05
Date and Time bypass was reported	12/10/2012 13:47	4/15/2013 20:07	6/8/2013 20:21	1/22/2014 15:03	1/23/2014 19:15
How bypass was discovered	Resident called it in	Hamden PD called it in	Crew checked sanitary after events and jetted a surcharged manhole causing overflow	public works called in	resident called in
Quantity / Volume of Bypass	200	50	500	50	100
How quantity/volume was determined	Field estimate by crew	Field estimate by crew	Field estimate by crew	Estimate	Field estimate by crew
Date of last inspection (if equipment failure)					
Receiving waters (if applicable)	Swamp or marsh	Belden Brook	Swamp between Kenneth and Proto Dr	West River	Brook next to Dunbar Hill Rd. Ext.
Receiving waters EPA	Farm River	West River	Morris Creek	West River	West River
Steps to minimize volume and duration of bypass	Jet sanitary sewer	Jet sanitary sewer	Jet sanitary sewer	jet sewer line	jet sanitary sewer
Steps taken to prevent recurrence of bypass	PM jetting of sanitary sewer	PM jetting of sanitary sewer	PM jetting of sanitary sewer	pm jetting	pm jetting of sanitary sewer
Bypass area cleaned of debris?	No	Yes	Yes	Yes	Yes
Method used	No material on road, only wastewater	No debris on road, crew washed down area	Crew applied lyme to area	supervac to remove debris, lime to disinfect	crew cleaned area around manhole, applied lime
Date of last blockage / backup				11/24/10	